## This Page Is Inserted by IFW Operations and is not a part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

$$G2$$
 $G2$ 
 $G2$ 
 $G2$ 
 $G2$ 
 $G3$ 
 $G4$ 
 $G5$ 
 $G5$ 
 $G5$ 
 $G5$ 
 $G6$ 
 $G6$ 
 $G7$ 
 $G1$ 
 $G1$ 
 $G1$ 

G1 C, N G2 H, X, OH, Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 11 SAMPLE SEARCH INITIATED 16:27:42 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 260 TO ITERATE

100.0% PROCESSED 260 ITERATIONS 11 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*
PROJECTED ITERATIONS: 4233 TO 6167
PROJECTED ANSWERS: 22 TO 418

L2 11 SEA SSS SAM L1

=> s 11 sss full FULL SEARCH INITIATED 16:27:54 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 5616 TO ITERATE

100.0% PROCESSED 5616 ITERATIONS 111 ANSWERS SEARCH TIME: 00.00.02

L3 111 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION

Habte <05/15/2002

Jan. 17/1003

FULL ESTIMATED COST 140.28 140.49

FILE 'CAPLUS' ENTERED AT 16:28:02 ON 15 MAY 2002 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 15 May 2002 VOL 136 ISS 20 FILE LAST UPDATED: 14 May 2002 (20020514/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 13 L4 2 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2002:314905 CAPLUS

DOCUMENT NUMBER: 136:309847

TITLE: 2-, 3-, 4-, or 5-substituted-1-

(benzenesulfonyl)indoles and their use in therapy INVENTOR(S): Caldirola, Patrizia; Johansson, Gary; Nilsson, Bjoern

Μ.

PATENT ASSIGNEE(S): Biovitrum AB, Swed. SOURCE: PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2002032863 Al 20020425 WO 2001-SE2319 20011019

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,

LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG PRIORITY APPLN. INFO.: SE 2000-3810 A 20001020 US 2000-243115P P 20001025

Approx. 130 title compds. and their HCl salts were prepd. by std. AB methods.

The said compds. have affinity for the 5-HT6 receptor and are useful for the treatment and prophylaxis of disorders relating to the said receptor, such as obesity and CNS disorders.

ΙT 393508-48-0 412049-80-0

> RL: RCT (Reactant); RACT (Reactant or reagent) (prepn. of antiobesity benzenesulfonylindoles)

RN 393508-48-0 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[1-(phenylsulfonyl)-1H-indol-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 412049-80-0 CAPLUS

CN 1H-Indole, 1-[(4-methoxyphenyl)sulfonyl]-5-[4-(phenylmethyl)-1piperazinyl] - (9CI) (CA INDEX NAME)

IT 412049-09-3P 412049-39-9P 412049-41-3P 10003015 · Page 6

```
393508-47-9P 412048-49-8P 412048-50-1P
IT
     412048-51-2P 412048-52-3P 412048-53-4P
     412048-54-5P 412048-55-6P 412048-56-7P
     412048-57-8P 412048-58-9P 412048-59-0P
     412048-61-4P 412048-63-6P 412048-64-7P
     412048-65-8P 412048-66-9P 412048-67-0P
     412048-68-1P 412048-69-2P 412048-70-5P
     412048-71-6P 412048-72-7P 412048-73-8P
     412048-75-0P 412048-76-1P 412048-79-4P
     412048-80-7P 412048-81-8P 412048-84-1P
     412048-85-2P 412048-86-3P 412048-87-4P
     412048-89-6P 412048-90-9P 412048-91-0P
     412048-92-1P 412048-93-2P 412048-94-3P
     412048-95-4P 412048-96-5P 412048-97-6P
     412048-98-7P 412048-99-8P 412049-00-4P
     412049-01-5P 412049-02-6P 412049-03-7P
    412049-04-8P 412049-05-9P 412049-10-6P
    412049-11-7P 412049-12-8P 412049-13-9P
    412049-14-0P 412049-15-1P 412049-16-2P
    412049-17-3P 412049-18-4P 412049-19-5P
    412049-20-8P 412049-21-9P 412049-22-0P
    412049-23-1P 412049-24-2P 412049-25-3P
    412049-26-4P 412049-27-5P 412049-28-6P
    412049-29-7P 412049-30-0P 412049-31-1P
    412049-32-2P 412049-33-3P 412049-34-4P
    412049-35-5P 412049-36-6P 412049-37-7P
    412049-40-2P 412049-42-4P 412049-45-7P
    412049-49-1P 412049-50-4P 412049-51-5P
    412049-54-8P 412049-55-9P 412049-56-0P
    412049-57-1P 412049-59-3P 412049-60-6P
    412049-61-7P 412049-62-8P 412049-63-9P
    412049-64-0P 412049-65-1P 412049-66-2P
    412049-67-3P 412049-68-4P 412049-69-5P
    412049-70-8P 412049-71-9P 412049-72-0P
    412049-73-1P 412049-74-2P 412049-75-3P
    412049-76-4P
```

Habte <05/15/2002

RL: SPN (Synthetic preparation); PREP (Preparation)

● HCl

●2 HCl

Habte

HC1

RN 412048-51-2 CAPLUS

CN 1H-Indole, 4-(1-piperazinyl)-1-[(2,4,6-trimethylphenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-52-3 CAPLUS

CN 1H-Indole, 1-(1-naphthalenylsulfonyl)-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

RN 412048-53-4 CAPLUS

CN 1H-Indole, 1-[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-54-5 CAPLUS

CN 1H-Indole, 4-(1-piperazinyl)-1-[(4-propoxyphenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

10003015

● HCl

RN 412048-55-6 CAPLUS

CN 1H-Indole, 1-[(2,5-dichloro-3-thienyl)sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H \\ N \\ O \\ C1 \\ \end{array}$$

● HCl

RN 412048-56-7 CAPLUS

CN 1H-Indole, 1-[(4-methoxyphenyl)sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Habte

<05/15/2002

● HCl

RN 412048-57-8 CAPLUS
CN 1H-Indole, 1-[(2,4-difluorophenyl)sulfonyl]-4-(1-piperazinyl)-,
monohydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H & & \\ N & & \\ \hline N & S & \\ \hline O & F \end{array}$$

● HCl

RN 412048-58-9 CAPLUS
CN 1H-Indole, 1-([1,1'-biphenyl]-4-ylsulfonyl)-4-(1-piperazinyl)-,
monohydrochloride (9CI) (CA INDEX NAME)

RN 412048-59-0 CAPLUS

1H-Indole, 1-[(3,4-dimethoxyphenyl)sulfonyl]-4-(1-piperazinyl)-, CN monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN

412048-61-4 CAPLUS
1H-Indole, 1-[(2-methoxy-5-methylphenyl)sulfonyl]-4-(1-piperazinyl)-,
monohydrochloride (9CI) (CA INDEX NAME) CN

● HCl

● HCl

RN 412048-64-7 CAPLUS
CN 1H-Indole, 1-[(5-chloro-1,3-dimethyl-1H-pyrazol-4-yl)sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-66-9 CAPLUS
CN 1H-Indole, 1-[[4-(4-chloro-3-cyanophenoxy)phenyl]sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-67-0 CAPLUS

CN 1H-Indole, 1-[(5-bromo-2-methoxyphenyl)sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-68-1 CAPLUS

CN 1H-Indole, 4-(1-piperazinyl)-1-(3-pyridinylsulfonyl)-, monohydrochloride (9CI) (CA INDEX NAME)

RN 412048-69-2 CAPLUS

CN Isoquinoline, 1,2,3,4-tetrahydro-7-[[4-(1-piperazinyl)-1H-indol-1-yl]sulfonyl]-2-(trifluoroacetyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-70-5 CAPLUS

CN 1H-Indole, 1-[[2-(methylsulfonyl)phenyl]sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} H & & \\ N & & \\ \hline N & & \\ \hline N & & \\ \hline \end{array}$$

● HCl

RN 412048-72-7 CAPLUS

CN 1H-Indole, 1-[(5-chloro-3-methylbenzo[b]thien-2-yl)sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

RN 412048-73-8 CAPLUS

CN 1H-Indole, 1-[(4-methylphenyl)sulfonyl]-4-(4-methyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412048-75-0 CAPLUS

CN 1H-Indole, 4-(1-piperazinyl)-1-[[4-(trifluoromethyl)phenyl]sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Habte

● HCl

RN 412048-76-1 CAPLUS
CN 1H-Indole,
4-(3-methyl-1-piperazinyl)-1-[[4-(trifluoromethyl)phenyl]sulfon
 yl]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HC1

RN 412048-79-4 CAPLUS
CN 1H-Indole, 1-[(2-methylphenyl)sulfonyl]-4-(4-methyl-1-piperazinyl)- (9CI)
(CA INDEX NAME)

RN 412048-80-7 CAPLUS
CN 1H-Indole, 4-(4-ethyl-1-piperazinyl)-1-[(2-methylphenyl)sulfonyl]- (9CI)
(CA INDEX NAME)

RN 412048-81-8 CAPLUS
CN 1H-Indole, 1-[(2-methylphenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412048-84-1 CAPLUS CN 1H-Indole, 1-[(2-methylphenyl)sulfonyl]-4-(3-methyl-1-piperazinyl)- (9CI)

(CA INDEX NAME)

RN 412048-85-2 CAPLUS
CN 1H-Indole, 4-[(3R,5S)-3,5-dimethyl-1-piperazinyl]-1-[(2-methylphenyl)sulfonyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 412048-86-3 CAPLUS
CN 1H-Indole, 4-[4-(1-methylethyl)-1-piperazinyl]-1-[(2-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Habte

RN 412048-87-4 CAPLUS
CN 1H-Indole, 4-[(1S,4S)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-1-[(2-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 412048-89-6 CAPLUS
CN 1H-Indole, 4-[(3R,5S)-3,5-dimethyl-1-piperazinyl]-1-(phenylsulfonyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 412048-90-9 CAPLUS CN 1H-Indole, 4-(4-ethyl-1-piperazinyl)-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 412048-91-0 CAPLUS CN 1H-Indole, 1-[(4-nitrophenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412048-92-1 CAPLUS
CN 1H-Indole, 1-[(4-bromophenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA
INDEX
NAME)

RN 412048-93-2 CAPLUS CN 1H-Indole, 1-[(4-chlorophenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412048-94-3 CAPLUS CN 1H-Indole, 1-[[(1E)-2-phenylethenyl]sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 412048-95-4 CAPLUS
CN 1H-Indole, 4-(1-piperazinyl)-1-[[3-(trifluoromethyl)phenyl]sulfonyl](9CI) (CA INDEX NAME)

RN 412048-96-5 CAPLUS
CN 1H-Indole, 1-[(4-cyanophenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA
INDEX
NAME)

RN 412048-97-6 CAPLUS CN 1H-Indole, 1-[(7-chloro-2,1,3-benzoxadiazol-4-yl)sulfonyl]-4-(1-

piperazinyl) - (9CI) (CA INDEX NAME)

RN 412048-98-7 CAPLUS
CN 1H-Indole, 1-[(3-cyanophenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX
NAME)

RN 412048-99-8 CAPLUS CN 1H-Indole, 1-[(4-phenoxyphenyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412049-00-4 CAPLUS
CN 1H-Indole, 1-[[(4-chlorophenyl)methyl]sulfonyl]-4-(1-piperazinyl)- (9CI)
(CA INDEX NAME)

RN 412049-01-5 CAPLUS
CN 1H-Indole, 1-[[(4-methylphenyl)methyl]sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412049-02-6 CAPLUS
CN 1H-Indole, 1-[(1,1-diphenylethyl)sulfonyl]-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412049-04-8 CAPLUS
CN Benzamide, N-[[5-[[4-(1-piperazinyl)-1H-indol-1-yl]sulfonyl]-2thienyl]methyl]- (9CI) (CA INDEX NAME)

RN 412049-05-9 CAPLUS
CN 1H-Indole, 1-[(1-methyl-1H-imidazol-4-yl)sulfonyl]-4-(1-piperazinyl)-(9CI) (CA INDEX NAME)

RN 412049-10-6 CAPLUS CN 1H-Indole, 1-[(4-methylphenyl)sulfonyl]-5-(4-methyl-1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412049-12-8 CAPLUS
CN 1H-Indole, 5-[4-(1-methylethyl)-1-piperazinyl]-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 412049-13-9 CAPLUS

CN 1H-Indole, 1-[(3,4-dimethoxyphenyl)sulfonyl]-5-(4-propyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-14-0 CAPLUS

CN 1H-Indole, 1-[(3-fluorophenyl)sulfonyl]-5-(4-propyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-15-1 CAPLUS

CN 1H-Indole, 5-(4-methyl-1-piperazinyl)-1-[(4-propylphenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

10003015

Page 32

● HCl

RN 412049-16-2 CAPLUS

CN 1H-Indole, 5-(4-methyl-1-piperazinyl)-1-(1-naphthalenylsulfonyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-17-3 CAPLUS

CN 1H-Indole, 1-([1,1'-biphenyl]-4-ylsulfonyl)-5-(4-methyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-18-4 CAPLUS

CN 1H-Indole, 1-[(4-methoxyphenyl)sulfonyl]-5-(4-methyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Habte

<05/15/2002

HCl

RN 412049-19-5 CAPLUS

CN 1H-Indole, 1-[(3,4-dimethoxyphenyl)sulfonyl]-5-(4-methyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-20-8 CAPLUS

CN 1H-Indole, 1-[(2,4-difluorophenyl)sulfonyl]-5-(4-methyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} N & O & \\ \hline N & N & \\ \hline N & \\ O & \\ \hline \end{array}$$

● HCl

RN 412049-21-9 CAPLUS

CN 1H-Indole, 1-[(4-methoxyphenyl)sulfonyl]-5-[4-(phenylmethyl)-1-piperazinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-22-0 CAPLUS CN 1H-Indole, 1-[(2,4-difluorophenyl)sulfonyl]-5-[4-(phenylmethyl)-1-piperazinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-23-1 CAPLUS
CN 1H-Indole,
1-[(4-butoxyphenyl)sulfonyl]-5-[4-(phenylmethyl)-1-piperazinyl] , monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-24-2 CAPLUS

CN 1H-Indole, 1-[(3,4-dimethoxyphenyl)sulfonyl]-5-[4-(phenylmethyl)-1-piperazinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-25-3 CAPLUS

CN 1H-Indole, 1-([1,1'-biphenyl]-4-ylsulfonyl)-5-[4-(phenylmethyl)-1-piperazinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-26-4 CAPLUS

CN 1H-Indole,

1-(1-naphthalenylsulfonyl)-5-[4-(phenylmethyl)-1-piperazinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ Ph-CH_2 & & & \\ \end{array}$$

● HCl

RN 412049-27-5 CAPLUS
CN 1H-Indole,
5-[4-(phenylmethyl)-1-piperazinyl]-1-[(4-propylphenyl)sulfonyl] , monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-28-6 CAPLUS
CN 1H-Indole,
1-[(2-fluorophenyl)sulfonyl]-5-[4-(phenylmethyl)-1-piperazinyl]-.
, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-29-7 CAPLUS

CN 1H-Indole, 1-[(4-methoxyphenyl)sulfonyl]-5-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

HCl

● HCl

● HCl

RN 412049-32-2 CAPLUS
CN 1H-Indole, 1-[(3,4-dimethoxyphenyl)sulfonyl]-5-(1-piperazinyl)-,

dihydrochloride (9CI) (CA INDEX NAME)

## ●2 HC1

## ●2 HC1

RN 412049-34-4 CAPLUS CN 1H-Indole, 1-(1-naphthalenylsulfonyl)-5-(1-piperazinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
N & S = 0 \\
0 & 0
\end{array}$$

## ●2 HC1

RN 412049-35-5 CAPLUS
CN 1H-Indole, 5-(1-piperazinyl)-1-[(4-propylphenyl)sulfonyl]-,

dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

●2 HC1

RN 412049-37-7 CAPLUS
CN 1H-Indole, 1-(phenylsulfonyl)-5-(1-piperazinyl)-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

RN 412049-40-2 CAPLUS CN 1H-Indole, 2-iodo-1-(phenylsulfonyl)-4-(1-piperazinyl)-, monohydrochloride

(9CI) (CA INDEX NAME)

● HCl

● HCl

RN 412049-45-7 CAPLUS
CN 1H-Indole, 2-methyl-1-(phenylsulfonyl)-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412049-49-1 CAPLUS

CN 1H-Indole, 1-[(2-methylphenyl)sulfonyl]-4-(4-methyl-1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-50-4 CAPLUS

CN 1H-Indole, 4-(4-ethyl-1-piperazinyl)-1-[(2-methylphenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

● HCl

● HCl

RN 412049-55-9 CAPLUS
CN 1H-Indole, 4-[(3R,5S)-3,5-dimethyl-1-piperazinyl]-1-[(2-methylphenyl)sulfonyl]-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 412049-56-0 CAPLUS
CN 1H-Indole, 4-[4-(1-methylethyl)-1-piperazinyl]-1-[(2-methylphenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-57-1 CAPLUS

CN 1H-Indole, 4-[(1S,4S)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-1-[(2-methylphenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

RN 412049-59-3 CAPLUS

CN 1H-Indole, 4-[(3R,5S)-3,5-dimethyl-1-piperazinyl]-1-(phenylsulfonyl)-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 412049-60-6 CAPLUS
CN 1H-Indole, 4-(4-ethyl-1-piperazinyl)-1-(phenylsulfonyl)-,
monohydrochloride (9CI) (CA INDEX NAME)

● HCl

10003015

● HCl

Page 46

● HCl

RN 412049-63-9 CAPLUS
CN 1H-Indole, 1-[(7-chloro-2,1,3-benzoxadiazol-4-yl)sulfonyl]-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

10003015

RN 412049-64-0 CAPLUS
CN 1H-Indole, 1-[(3-cyanophenyl)sulfonyl]-4-(1-piperazinyl)-,
monohydrochloride (9CI) (CA INDEX NAME)

Page 47

● HCl

● HCl

$$\begin{array}{c|c} H \\ N \\ \end{array}$$

● HCl

● HCl

● HCl

RN 412049-69-5 CAPLUS
CN 1H-Indole, 4-(1-piperazinyl)-1-[[4-(trifluoromethoxy)phenyl]sulfonyl]-,
monohydrochloride (9CI) (CA INDEX NAME)

● HCl

412049-70-8 CAPLUS RN CN

Benzamide, N-[[5-[[4-(1-piperazinyl)-1H-indol-1-yl]sulfonyl]-2-thienyl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 412049-71-9 CAPLUS CN 1H-Indole, 1-(phenylsulfonyl)-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

RN 412049-72-0 CAPLUS
CN 1H-Indole, 1-[(2,5-dimethoxyphenyl)sulfonyl]-4-(1-piperazinyl)- (9CI)
(CA INDEX NAME)

● HCl

● HCl

● HCl

Double bond geometry as shown.

HC1

REFERENCE COUNT:

THERE ARE 31 CITED REFERENCES AVAILABLE FOR 31

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS L42002:89998 CAPLUS

ACCESSION NUMBER:

DOCUMENT NUMBER:

136:129087

TITLE:

New combination of serotonin 5-HT2c agonist and 5-HT6

antagonist as pharmaceutical formulation, and

therapeutic uses

INVENTOR(S):

Jossan, Sukhwinder; Nilsson, Bjorn M.; Sakariassen,

Kjell S.; Svartengren, Jan

PATENT ASSIGNEE(S):

Biovitrum AB, Swed. PCT Int. Appl., 24 pp.

SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND DATE	E	APPLICATION	NO. DATE
W∙ AF.	8 A1 2002 AL, AM, AT, AU	, AZ, BA,	BB, BG, BR, B	1651 20010719 38Y, CA, CH, CN, CO, CR,
IL, MA.	IN, IS, JP, KE, MD, MG, MK, MN,	, KG, KP, , MW, MX,	KR, KZ, LC, L NO, NZ, PL, P	GE, GH, GM, HR, HU, ID, LK, LR, LS, LT, LU, LV, PT, RO, RU, SD, SE, SG, US, UZ, VN, YU, ZA, ZW,
AM, RW: GH, DE.	AZ, BY, KG, KZ GM, KE, LS, MW DK, ES, FI, FR	, MD, RU, , MZ, SD, , GB, GR, , GA, GN,	TJ, TM SL, SZ, TZ, U IE, IT, LU, M GQ, GW, ML, M	UG, ZW, AT, BE, CH, CY, MC, NL, PT, SE, TR, BF, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: SE 2000-2754 A 20000721				

<05/15/2002 Habte

The invention relates to a method of preventing or treating a disease related to the 5-HT2c receptor and the 5-HT6 receptor, comprising administering to a human or animal subject in need thereof a 5-HT2c receptor agonist and a 5-HT6 receptor antagonist in sufficient amts. to provide a therapeutic affect. The invention also relates to a pharmaceutical compn. comprising an effective amt. of a combination of a 5-HT2c receptor agonist and a 5-HT6 receptor antagonist, and optionally a pharmaceutically acceptable carrier. The pharmaceutical combination of the invention may be used to treat eating disorders, CNS disorders, urinary incontinence, and glaucoma.

IT 393508-48-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and reaction; serotonin 5-HT2c agonist-5-HT6 antagonist combination pharmaceutical, and therapeutic uses)

RN 393508-48-0 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[1-(phenylsulfonyl)-1H-indol-4-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

IT 393508-47-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP.(Preparation); USES (Uses)

(serotonin 5-HT2c agonist-5-HT6 antagonist combination pharmaceutical, and therapeutic uses)

RN 393508-47-9 CAPLUS

CN 1H-Indole, 1-(phenylsulfonyl)-4-(1-piperazinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



<05/15/2002

● HCl

REFERENCE COUNT:

THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

=> log y COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 9.17 149.66 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -1.24-1.24

STN INTERNATIONAL LOGOFF AT 16:28:36 ON 15 MAY 2002